



DEPARTMENT 411

MARSH

AGRICULTURE/HORTICULTURE BUILDING

JIM COLE
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 Department Director

MARY ANN GULLEY, Winchester, IN — First Assistant

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CARL BROADY, Purdue University — Extension Specialist - 4-H/Youth

KATHRYN ORVIS, Purdue University — Extension Specialist - 4-H/Youth

RICHARD BECKORT, Brownstown, IN — Flower Judge

DUANE MARTIN, Indianapolis, IN — Flower Judge

MARY WELCH-KEESEY, Indianapolis, IN — Flower Judge

DAVE GARRETT, Lafayette, IN — Flower Judge

JAMES BARBOUR, Indianapolis, IN — Garden Collections and

Potatoes Judge

PAUL BAKER, Howe, IN — Single Vegetable Judge

MIKE BRAZEL, Kokomo, IN — Single Vegetable Judge

DR. LESLIE HAFEN, West Lafayette, IN — Single Vegetable Judge

DORIS ALTHAUS, Greenfield, IN — Herbs Judge

MARY LOU HAYDEN, Lafayette, IN - Garden Education & Flower Judge

Exhibitors bringing entries into the Fairgrounds on or after Wednesday, August 11, **must pay admission or an exhibitor ticket is required.** Any exhibitor leaving the Fairgrounds, wishing to return the same day **must** obtain a hand stamp from the gate attendant or pay admission to re-enter. This policy will be strictly enforced.

4-H PROJECT AWARD SUMMARY

1. Blue, red or white ribbons awarded on quality of exhibit.
2. Honor ribbons may be given at the discretion of the judge.
3. An Indiana State Fair 4-H pin will be awarded to all exhibitors.
4. The Department Director will select one exhibit from Garden entries and one exhibit from Bee Keeping entries to participate in the Sale of Champions.

Projects: **Number of exhibits each county
may enter in each division**

Bee-keeping:

Division 1	1
Divisions 2-3	No limit (one per exhibitor)

Flowers:

Division 1	3 (1 per class)
Division 2	2 (1 per class)
Division 3	2 (1 per class)
Division 4	5 (1 per class)
Division 5	6 (1 per class)

Garden:

Collection	1 per exhibitor
Single	5 per exhibitor
Herb	3 per exhibitor
Educational exhibit	1 per county
Potato	1 per exhibitor

LABELING

1. Labels for all exhibits, to be exhibited in the agriculture/horticulture building, will be furnished by the state 4-H club office. These labels may be secured from your county extension office.
2. Fill out a label for each exhibit.
3. Attach the label to the exhibit according to instructions for that exhibit.
4. Information on the label should be printed or typed.

AGRICULTURE/HORTICULTURE DEPARTMENT RELEASE TIME FOR 4-H EXHIBITS

Exhibits will be released from 8 - 9 pm, Sunday, August 22 and/or 8 am - Noon, Monday, August 23. **Admission tickets to the Fair are required on Sunday.** All exhibits not called for by Noon, Monday, August 23, will be disposed of at the discretion of the director of the department. Any exhibit removed from display prior to the official release will be disqualified. Any placings and prizes (including ribbons, medals, trophies, etc.) awarded that exhibit will be forfeited. Entry times - see individual exhibit.

SECTION BK - BEE-KEEPING

All exhibits in the 4-H bee project are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm on Monday, August 9.

DIVISION I

Poster board must be mounted on plywood or heavy cardboard to add stiffness for exhibiting, and must be covered with clear plastic or other transparent material to protect exhibit. The overall size of exhibit must be 22 x 28 inches and displayed horizontally. **Limit one (1) exhibit per county.**

CLASS DESCRIPTION

- 1 Display ten (10) pressed flowers of Indiana honey plants or the uses of honey and beeswax. No bee hives.

DIVISION II

There is no limit on the number of exhibits a county may enter in division II, but only 1 (1) exhibit per 4-H member is allowed. Exhibit one (1) of the following:

CLASS DESCRIPTION

- 2 Individual display - extracted honey - two (2) 1-pound jars extracted honey should be shown in glass or clear plastic, screw-top jars, holding one pound of honey each.
- 3 Individual display - chunk honey - two (2) 1-pound jars (glass or clear plastic).
- 4 Individual display - cut comb honey - two (2) 1-pound boxes. (This is usually displayed in a clear plastic box about 4-1/8" x 4-1/8" x 1-1/8".)

DIVISION III AND ABOVE

There is no limit to the number of exhibits a county may enter in division III and above, but only one (1) exhibit per 4-H member allowed.

CLASS DESCRIPTION

- 5 This exhibit consists of a display of two (2) of the four (4) kinds of honey listed below:
 - a) Two (2) 1-pound jars (glass or clear plastic) of extracted honey
 - b) Two (2) 1-pound jars (glass or clear plastic) of chunk honey
 - c) Two (2) 1-pound boxes of cut comb honey
 - d) Two (2) sections of comb honey-(comb honey refers to honey built by bees in frames of wood commonly called "sections." These are usually about 4-1/2" x 4-1/2" in size.)

SWEEPSTAKES

CLASS DESCRIPTION - DO NOT MAKE ENTRY IN THIS CLASS

- 6 Overall Bee-Keeping Exhibit - rosette - 4-H Sale of Champions

SECTION FL - FLOWER PROJECT

Each county may enter three (3) entries in division I, two (2) entries in division II and III, five (5) entries in division IV, and six (6) entries in division V. Each entry must have a card attached giving the following information:

- a) county
- b) name of exhibitor
- c) division
- d) class
- e) name of plant(s)

Labels will be sent to the county. Division I and II members may purchase young seedling plants to grow or use homegrown flowers for their exhibits. Division III, IV and V classes may include purchased or homegrown flowers.

Do not use silk flowers or artificial foliage in any exhibit. Planters MUST have drainage and provide for water retention (ex. saucers with pots or fiber baskets).

DIVISION I

A county may have one (1) exhibit in each of the following three classes. Exhibits are due in the Marsh Agriculture/Horticulture Building between 9 am and 2 pm, Monday, August 9.

CLASS DESCRIPTION

- 1 Exhibit 3 blooms, each bloom on its own individual stem with foliage, from marigolds or petunias or zinnias, you have grown and/or cared for out-of-doors in activities 1, 2, 3 or 6 of flowers division I manual. All three (3) blooms must be the same variety, color and type. (Containers furnished.)
- 2 Exhibit a notebook containing pictures of flowers you would like to grow. Activity 4 in the flower division I manual tells you more about how to do this. Actual pictures are preferred over computer generated ones.
- 3 Exhibit one (1) house plant you have helped care for in your home in activity 5 (the exhibit container should not exceed ten (10) inches in diameter). The house plant can be either a flowering or foliage type plant. This plant must be a plant growing on one root system. Provide for drainage, if applicable.

DIVISION II

Exhibits are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm, Monday, August 9. A county may have one (1) exhibit in each of the following two (2) classes:

CLASS DESCRIPTION

- 4 Exhibit 3 blooms, each bloom on its own individual stem with foliage, from one of the following kinds of flowers you have grown out-of-doors:
 - a) class 1 - calendula
 - b) class 2 - cockscomb
 - c) class 3 - marigold
 - d) class 4 - snapdragon
 - e) class 5 - zinnia

NOTE: all three (3) blooms must be of the same variety, type, and color (containers furnished).

- 5 Exhibit a container of plants that you have planted and cared for out-of-doors. Choose plants from the list of container plants in the division II 4-H flower manual. The container should not exceed an exhibit space of 16 x 16 inches and **must** have an attached saucer for water retention.

DIVISION III

Exhibits are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm, Monday, August 9. A county may have one (1) exhibit in each of the following two (2) classes:

CLASS DESCRIPTION

- 6 Exhibit one (1) house plant (foliage or flowering) in a container not exceeding ten (10) inches in diameter. This must be only one (1) specimen plant growing on one (1) root system. A flowering plant may be of any color with single or double flowers. Provide for drainage.
- 7 Exhibit an indoor planter. Planters should contain at least five (5) foliage plants and have been planted at least two (2) months before the Fair and should contain at least five (5) kinds of plants. Containers should not exceed 18 inches in length and six (6) inches in width if rectangular in shape; 18 inches per side if square; and 18 inches in diameter if round. Provide for drainage.

DIVISION IV

In the division IV project, a county may have one (1) exhibit in each class. The entries are due between 9 am - 2 pm, Monday, August 9 in the Marsh Agriculture/Horticulture Building.

CLASS DESCRIPTION

- 8 Exhibit a terrarium you have made. All openings in the container should

be covered while it is on exhibit. The size of the terrarium should be appropriate for display on a table in the home.

The arrangements listed below are to be prepared at home ready for exhibit upon arrival at the Indiana State Fairgrounds. DO NOT USE SILK OR DRIED FLOWERS OR ARTIFICIAL FOLIAGE; ALL FLOWERS MUST BE FRESH.

CLASS DESCRIPTION

- 9 A line arrangement for table display
- 10 A mass arrangement for table display
- 11 A line mass arrangement for table display
- 12 A corsage arrangement containing three (3) or more blooms

DIVISION V - ADVANCED

In advanced flower divisions, a county may have one (1) exhibit in each of the following classes. Entries are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm, Monday, August 9. (Flowers and plant materials may be purchased or home grown). DO NOT USE SILK FLOWERS OR ARTIFICIAL FOLIAGE.

CLASS DESCRIPTION

- 13 Exhibit a flower arrangement of perennial flowers. See activity 1 in the 4-H flower manual.
- 14 Exhibit a flower arrangement of roses. See activity 2 in the 4-H flower manual.
- 15 Exhibit a flower arrangement of lilies, dahlias, and/or gladioli. See activity 3 in the 4-H flower manual.
- 16 Exhibit an arrangement of dried plant materials. See activity 5 in the 4-H flower manual.
- 17 Exhibit an arrangement with fresh or dried flowers with fresh fruits and/or vegetables. See activity 6 in the 4-H flower manual.
- 18 Exhibit a hanging container with flowers and/or foliage. See activity 4 in the 4-H flower manual. (The size of the hanging container is not to exceed 16 inches in any dimension and **must** have an **attached** saucer for water retention. If using fiber baskets you must attach something for water retention). Provide your own hanger.

4-H Flowers are watered as needed, and every effort is made to maintain quality exhibits over the two week period of display.

4-H GARDENS

All garden entries are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm, Monday, August 9.

Each 4-H club member may enter one (1) garden collection and not more than five (5) single vegetables and/or three (3) herbs. All entries will be placed according to the Danish system.

All vegetables entered in these classes must have been produced by the 4-H club member in his/her garden project. Any exhibit which, in the opinion of the judge, has not been produced in a 4-H club garden will be disqualified.

Only 4-H members and extension educators will be allowed in the area reserved for arranging garden exhibits.

4-H Garden exhibits will be disposed of as decomposition merits. Vegetables entered for exhibit should be considered as "non-returnable" to the exhibitor due to their time-on-display and for lack of real food-value after two (2) weeks at the Indiana State Fair.

SECTION GC - GARDEN COLLECTION

CLASS DESCRIPTION

- 13 three (3) plates of three (3) different vegetables
- 14 four (4) plates of four (4) different vegetables
- 15 five (5) plates of five (5) different vegetables

In all three (3) classes, a display of garden flowers is optional. The vegetables are to be exhibited on paper plates. The plates will be furnished by the Indiana State Fair. Garden collection entries should be labeled with common name, latin name, and variety. The vegetables in all three (3) classes MUST be selected from the single vegetable list.

A collection exhibit will be lowered one (1) ribbon grade if two (2) or more vegetables of the same type are included.

In addition to the above list of vegetables, the exhibitors may include a display of not less than three (3) varieties of garden flowers in one (1) container, taken from those grown in your garden this year. Attractive flower displays should have flowers of different heights, colors that harmonize and varieties that stay nice for several days (Shade tolerant types do best over the two (2) week duration at the Indiana State Fair). **No** silk or artificial foliage may be used.

SWEEPSTAKES

CLASS DESCRIPTION - DO NOT MAKE ENTRIES IN THIS CLASS

- 16 Overall Garden Collection - rosette - 4-H Sale of Champions

SECTION SV - SINGLE VEGETABLE EXHIBIT

EACH 4-H CLUB MEMBER MAY ENTER NOT MORE THAN 5 SINGLE VEGETABLES. ALL ENTRIES SHALL BE JUDGED AND PLACED ACCORDING TO THE DANISH SYSTEM.

See 4-H-970-W, 4-H Garden Exhibit Requirement Supplement www.four-h.purdue.edu, for suggestions in preparing exhibits in this section.

CLASS DESCRIPTION

- 1 Beans, green, 20 pods
- 2 Beans, lima-large-shelled-1/2 pint
- 3 Beans, lima-small-shelled-1/2 pint
- 4 Beans, navy, kidney, shell out, etc.-1/2 pint
- 5 Beans, wax, 20 pods
- 6 Beets with tops of approximately 1" or less, 5
- 7 Broccoli, 1 head
- 8 Cabbage, Chinese type, 1 head
- 9 Cabbage, flat type, 1 head
- 10 Cabbage, pointed type, 1 head
- 11 Cabbage, red type, 1 head
- 12 Cabbage, round type, 1 head
- 13 Cabbage, Savoy type, 1 head
- 14 Carrots with tops approximately 1/2" or less, 5
- 15 Cauliflower, 1 head
- 16 Celery, 1 bunch
- 17 Corn, bicolor, 5 ears
- 18 Corn, sweet-white, 5 ears
- 19 Corn, sweet-yellow, 5 ears
- 20 Cucumbers, dill, 5
- 21 Cucumbers, pickling, 5
- 22 Cucumbers, slicing, 5
- 23 Eggplant, 1
- 24 Kohlrabi, 5
- 25 Muskmelon, full slip, well netted, 1
- 26 Okra, 5 pods
- 27 Onions - red, 5
- 28 Onions - white, 5
- 29 Onions - yellow, 5
- 30 Parsnips, tops off, 5
- 31 Peppers, Bell type, 5
- 32 Peppers, Chili type (red or green), 5
- 33 Peppers, Hungarian type (green, yellow, or red), 5

- 34 Peppers, Pimento type (red), 5
- 35 Peppers, Cayenne type, 5
- 36 Peppers, Jalapeno type, 5
- 37 Peppers, Tabasco type, 5
- 38 Popcorn, new, 5 ears
- 39 Potato, other (yellow, blue, etc.), 5
- 40 Potato, red (Norland, Triumph), etc., 5
- 41 Potato, russett (Haig, Norgold, Superior), etc., 5
- 42 Potato, white, long type (Kennebec), etc., 5
- 43 Potato, white, oval type (Irish Cobbler), etc., 5
- 44 Potato, white, round type (Katahdin), etc., 5
- 45 Pumpkin, (other), 1
- 46 Pumpkin, Sugar Pie, 1
- 47 Pumpkin, Table, Canning, or Ornamental, 1
- 48 Radishes, 5
- 49 Rutabaga, 1
- 50 Squash, any other small varieties that are not listed but properly classified by variety, 1
- 51 Squash, Banana, and any other large varieties not listed but properly classified by variety, 1
- 52 Squash, Buttercups, Turbans, 1
- 53 Squash, Butternut, 1
- 54 Squash, Cushaw, 1
- 55 Squash, Scallops/Patty Pans, 1
- 56 Squash, Straightnecks, Crooknecks or similar varieties, 1
- 57 Squash, Table Queen or Acorn, 1
- 58 Squash, Zucchini, Cozelle or similar varieties, 1
- 59 Sweet potatoes, all varieties, 5
- 60 Tomatoes, pink or purple, 5
- 61 Tomatoes, red (for canning/red ripe), 5
- 62 Tomatoes, red (for market/pink ripe), 5
- 63 Tomatoes, Roma or puree type, 5
- 64 Tomatoes, small preserving or salad type varieties, 12
- 65 Tomatoes, yellow or orange, 5
- 66 Turnips, 5
- 67 Watermelon, icebox type, 1
- 68 Watermelon, long type, 1
- 69 Watermelon, round large type, 1

SECTION CT - CHAMPION PLATE OF TOMATOES ---

DO NOT MAKE ENTRIES IN THIS CLASS

- 1 Best Plate of tomatoes from classes 60-65 - rosette - \$250

SECTION SH - SINGLE HERB EXHIBIT ---

EACH 4-H CLUB MEMBER MAY ENTER NOT MORE THAN THREE (3) SINGLE HERBS. LABEL THE ENTRIES WITH COMMON AND LATIN NAMES. ALL ENTRIES SHALL BE JUDGED AND PLACED ACCORDING TO THE DANISH SYSTEM.

See 4-H garden manual and HO-28-W (Herb Gardening) for suggestions in preparing exhibits in this class.

CLASS DESCRIPTION

- 1 Basil (*Ocimum basilicum*) all types
- 2 Catnip (*Napeta cataria*) all types
- 3 Chamomile (*Chamaemelium nobile*) all types
- 4 Chives (*Allium schoenoprasum*) all types
- 5 Coriander or Cilantro (*Coriandrum sativum*) all types
- 6 Dill (*Anethum graveolens*)
- 7 Lavendar (*Lavendula* sp.) all types
- 8 Mint (*Mentha* sp.) all types
- 9 Oregano (*Origanum vulgare*)
- 10 Parsley (*Petroselinum crispum*) all types
- 11 Rosemary (*Rosemarinus officinalis*)
- 12 Sage (*Salvia officinalis*)
- 13 Sweet Marjoram (*Origanum majorana*)
- 14 Thyme (*Thymus vulgaris*) all types

Herbs should be displayed in pot size 6-8 inches diameter maximum.

Containers should provide drainage and water retention (ex. saucer with pot). Each plant is judged as a seperate exhibit.

Plants should have been in 4-H'er's care for at least three (3) months before State Fair exhibit.

SECTION GE - GARDEN EDUCATIONAL EXHIBITS

CLASS DESCRIPTION

- 1 **EACH COUNTY MAY ENTER ONE (1) (NOT NINE) EXHIBIT FROM THE FOLLOWING LIST OF EDUCATIONAL GARDEN ACTIVITIES (MAKE IT THE MOST EDUCATIONAL EXHIBIT).**

PLEASE LABEL POSTERS AS APPROPRIATE (EX. PICTURES, DIAGRAMS, ETC.)

- a) Exhibit four (4) plates containing two (2) varieties of two (2) different kinds of vegetables in your garden. For example, display tomato Rutgers and tomato Roma on two (2) plates and spinach Melody and America on two (2) plates. Label the varieties you exhibit.
- b) Exhibit and identify three (3) unusual vegetables (may or may not be discussed in your 4-H garden manual) you grew in your garden this year. If not listed in the vegetable display chart, check with your extension educator. Example: Spaghetti squash, head lettuce, cow pea.
- c) A poster of the five (5) commonly found diseases in vegetable gardens, the damage caused by each, and the control of each.
- d) A poster of the five (5) commonly found vegetable garden insects - either beneficial (good guys) and/or injurious (bad guys), benefits or damage caused by each, and the related management practices (how to keep the beneficial and how to control the injurious insects).
- e) A poster of a maximum of ten (10) pests (diseases, insects, weeds and/or rodents) you found in your garden this year, damage caused, control measures used and results.
- f) A poster explaining a current computer gardening program.
- g) A poster showing a picture story of what you did in your garden this year. (Example: how you planned, planted and maintained your garden.)
- h) A poster showing your financial record.
- i) A poster of pictures showing your experiences in hydroponics.
- j) Make a poster explaining various care or options working with vegetables/herbs.

SECTION PO - POTATO

There is no limit on the number of potato exhibits a county may enter in each class (only one (1) per exhibitor, however). Exhibits are due in the Marsh Agriculture/Horticulture Building between 9 am - 2 pm, Monday, August 9.

Trays will be furnished by the Indiana State Fair. Inside dimensions of trays for potatoes are approximately 12-1/2 x 18 inches; they will hold about 30 potatoes. Any variety may be exhibited.

CLASS DESCRIPTION - DO NOT MAKE ENTRIES IN THIS CLASS

- 1 Best individual exhibit (one (1) full tray of potatoes - minimum number 24 and maximum number 36). - rosette - \$250

4-H/FFA INVITATIONAL HORTICULTURE JUDGING CONTEST

JUNIOR AND SENIOR DIVISIONS

JIM COLE, Vevay, IN — Department Director

ROSIE LERNER, Purdue University — Extension Specialist - Horticulture

KATHRYN ORVIS, Purdue University — Extension Specialist - 4-H Youth/
Horticulture

NOTE: Entries for the contest listed below must be handed in Friday, August 6, to Kathryn Orvis in Marsh Ag/Hort Building.

SECTION HJ - JUDGING KNOWLEDGE AND IDENTIFICATION CONTEST

CLASS DESCRIPTION

- 1 The contest will be held Friday, August 6 in the Marsh Agriculture/Horticulture Building. Starting registration is at 9:00 am with contest beginning at 10 am. See current "4-H, FFA AG. JUDGING HANDBOOK" for terms and conditions.

Senior 4-H and FFA team members and the coach of the winning team will be awarded plaques, and the top three (3) teams will be awarded team plaques.

The winning 4-H senior team and FFA senior team will receive partial payment of trip expenses to attend the NJHA national convention and judging contest provided by the Indiana State Fair Board.

Purple participation ribbons will be awarded to all participants at registration time. The top five (5) senior teams will receive ribbons with team placing designated. The top four (4) senior individuals will be awarded plaques. Individuals placing 5th through 10th will be awarded rosettes with placing designations. These awards are given by the state 4-H/FFA judging committee.

Junior awards will be given as overall (4-H and FFA combined).